

LIST OF CLAIMS

Please cancel claims 2, 13, and 25-43 without prejudice. Please rewrite claims 1, 11, and 21-23 as indicated below.

A1 1. (Currently amended) A method for determining a position of a mobile satellite positioning system (SPS) receiver which is coupled to a communication receiver, said method comprising:

determining a change in a communication signal received by said communication receiver, wherein said communication signal is a cellular signal transmitted from a wireless cell cite; and

determining a parameter, based on said change, and processing SPS signals in said SPS receiver in a manner specified by said parameter.

2. Canceled

3. (Original) A method as in claim ¹2 wherein said cellular signal uses a code-division multiple access (CDMA) technique to distinguish between different communication receivers.

4. (Original) A method as in claim ~~2~~ wherein cellular signal uses a time-division multiple access (TDMA) technique to distinguish between different communication receivers.

5. (Original) A method as in claim ~~2~~ wherein said change is a change in signal level as said mobile SPS receiver and said communication receiver together move and wherein said parameter is a motion information of said communication receiver.

6. (Original) A method as in claim 5 wherein said motion information determines a search range for acquiring SPS signals from at least one SPS satellite.

7. (Original) A method as in claim 6 wherein when said motion information specifies a first velocity, said search range is a first range and when said motion information specifies a second velocity, said search range is a second range.

8. (Original) A method as in claim 7 wherein said first velocity is less than said second velocity and said first range is smaller in frequency than said second range.

9. (Original) A method as in claim 5 wherein said SPS receiver determines at least one

pseudorange to at least one SPS satellite in view of said SPS receiver.

10. (Original) A method as in claim 9 wherein said parameter is used in determining said pseudorange, and said change is a fading of said signal level.

11. (Currently amended) A mobile communication system comprising:
a satellite positioning system (SPS) receiver which receives and processes SPS signals from SPS satellites;

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a communication receiver which receives a communication signal, wherein said communication signal is a cellular signal transmitted from a wireless cell site; and

a communication signal measurement (CSM) unit coupled to said communication receiver and coupled to said SPS receiver, said CSM unit determining a change in said communication signal which specifies a manner for processing said SPS signal.

12. (Original) A mobile communication system as in claim 11, wherein said CSM unit determines a parameter based on said change and wherein said parameter specifies said manner.

13. Canceled

14. (Original) A mobile communication system as in claim 13 wherein said cellular signal uses one of (a) a code division multiple access (CDMA) or (b) a time division multiple access (TDMA) technique to distinguish between different communication receivers.

15. (Original) A mobile communication system as in claim 12 wherein said change is a change in signal level as said mobile communication system moves and wherein said parameter is a motion information of said mobile communication system.

16. (Original) A mobile communication system as in claim 15 wherein said motion information determines a search range for acquiring SPS signals from at least one SPS satellite.

17. (Original) A mobile communication system as in claim 16 wherein when said motion information specifies a first velocity, said search range is a first range, and when said motion information specifies a second velocity, said search range is a second range.

18. (Original) A mobile communication system as in claim 17 wherein said first velocity is less than said second velocity and said first range is smaller in frequency than said second range.

19. (Original) A mobile communication system as in claim 15 wherein said SPS receiver

determines at least one pseudorange to at least one SPS satellite in view of said SPS receiver

20. (Original) A mobile communication system as in claim 19 wherein said parameter is used in determining said pseudorange and said change in a fading of said signal level.

21. (Currently amended) A method for determining a position of a mobile satellite positioning system (SPS) receiver which is coupled to a communication receiver, said method comprising:

determining a change in a power level of a communication signal transmitted by said communication receiver; and

determining a parameter, based on said change, and processing SPS signals in said SPS receiver in a manner specified by said parameter.

22. (Currently amended) The method of claim 21 wherein said ~~change is a~~ determined change in a power level is determined by monitoring power control commands received by the communication transceiver over a communication link.

23. (Currently amended) The method of claim 21 wherein said determined change ~~is~~ in a power level is determined by monitoring power control commands provided to a power control transmitter circuitry of said communication transceiver by controlling elements of said communication receiver.

24. (Original) The method of claim 22 wherein said power control commands are received from a basestation in response to signals received by said basestation from said communication transceiver.

25. Canceled

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